

Title (en)

Circuit for operating a dc motor and an adjustment device incorporating such a circuit

Title (de)

Schaltungsanordnung zum Betreiben eines Gleichstrommotors und Verstelleinrichtung mit einer solchen

Title (fr)

Circuit d'opération d'un moteur à courant continu et un dispositif de réglage utilisant ce circuit

Publication

EP 1372258 A3 20040303 (DE)

Application

EP 03011487 A 20030521

Priority

DE 10226152 A 20020613

Abstract (en)

[origin: EP1372258A2] The circuitry includes switching transistors (T1, T2, T3, T4). These connect the motor terminals (A1, A2) to voltage source (U) during a supply phase (VP). This is followed by a phase (KP) which short circuits these terminals together. The phases (VP, KP) alternate in a switching interval (T). Alternation results in operational states (Z1, Z2, Z3, Z4) in which the motor is alternately driven and braked.

IPC 1-7

H02P 7/00; H02P 6/08; H02P 7/29; F16H 61/32

IPC 8 full level

F16H 61/32 (2006.01); **H02P 7/29** (2006.01)

CPC (source: EP US)

F16H 61/32 (2013.01 - EP US); **H02P 7/29** (2013.01 - EP US); **F16H 2061/2823** (2013.01 - EP US)

Citation (search report)

- [XY] US 4514666 A 19850430 - SUZUKI HAYAO [JP]
- [X] US 4368411 A 19830111 - KIDD H KEITH
- [DY] EP 0638743 A1 19950215 - EATON CORP [US]
- [A] US 4823056 A 19890418 - WATANABE YOSHIHIKO [JP], et al
- [A] US 3743911 A 19730703 - ERLER I
- [A] US 6341680 B1 20020129 - OTA ATSUO [JP], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1372258 A2 20031217; **EP 1372258 A3 20040303**; DE 10226152 A1 20031224; US 2004021438 A1 20040205; US 6933691 B2 20050823

DOCDB simple family (application)

EP 03011487 A 20030521; DE 10226152 A 20020613; US 43951003 A 20030516